MASTER TL5 High Efficiency

MASTER TL5 HE 35W/830 1SL

Low-pressure mercury discharge lamps with a tubular 16 mm envelope

Product data

- General Characteristics

System Description	High Efficiency
Cap-Base	G5
Cap-Base Information	Green Plate
Bulb	T5 [16 mm]
Life to 10% fail Preheat EL,3h	19000 hr
Life to 50% fail Preheat EL,3h	24000 hr
LSF HF Preheat 2000h Rated,3h	99 %
LSF HF Preheat 4000h Rated,3h	99 %
LSF HF Preheat 6000h Rated,3h	99 %
LSF HF Preheat 8000h Rated,3h	99 %
LSF HF Preheat 12000h Rated,3h	99 %
LSF HF Preheat 16000h Rated,3h	97 %
LSF HF Preheat 20000h Rated,3h	84 %

- Light Technical Characteristics

Colour Code	830 [CCT of 3000K]
Colour Rendering Index	80 (min), 82 (nom), 85 (max) Ra8
Colour Designation	Warm white
Colour Temperature	3000 K
Luminous Flux EL 25°C, Rated	3325 Lm
Luminous Flux EL 25°C, Nominal	3325 Lm
Luminous Flux Lamp EL 35°C	3650 Lm
Lum Efficacy Rated HF 25°C	94 Lm/W
Lum Efficacy Rated HF 35°C	105 Lm/W
LLMF HF 2000h Rated	96 %
LLMF HF 4000h Rated	95 %
LLMF HF 6000h Rated	94 %
LLMF HF 8000h Rated	93 %
LLMF HF 12000h Rated	92 %
LLMF HF 16000h Rated	91 %
LLMF HF 20000h Rated	90 %
Design Temperature	35 C
Chromaticity Coordinate X	440 -
Chromaticity Coordinate Y	403 -

- Electrical Characteristics

Lamp Wattage	35 W
Lamp Wattage EL 25°C, Rated	35.5 W
Lamp Wattage EL 25°C, Nominal	35.0 W
Lamp Wattage EL 35°C	34.7 W
Lamp Voltage EL 25°C	205 V
Lamp Voltage EL 35°C	209 V

asimpleswitch.com

PHILIPS

MASTER TL5 High Efficiency

Lamp Current EL 25°C	0.175 A
Lamp Current EL 35°C	0.170 A
Dimmable	yes

- Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	1.4 mg
Energy consumption kWh/1000h	38 kWh

- Measuring Conditions

Calibration Current	0.170 A
HF Generator Rated Voltage	413 V
Resistor	1200 ohm

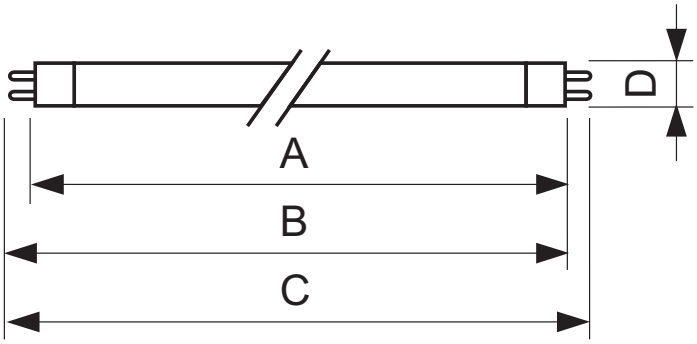
- Product Dimensions

Base Face to Base Face A	1449.0 (max) mm
Insertion Length B	1453.7 (min), 1456.1 (max) mm
Overall Length C	1463.2 (max) mm
Diameter D	17 (max) mm

- Product Data

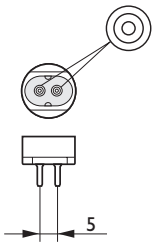
Order code	639509 55
Full product code	871150063950955
Full product name	MASTER TL5 HE 35W/830 1SL
Order product name	MASTER TL5 HE 35W/830 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500639509
Bar code on outerbox - EAN3	8711500867667
Logistic code(s) - 12NC	927927083055
ILCOS code	FDH-35/30/1B-L/P-G5-16/1450
Net weight per piece	128.700 gr

Dimensional drawing



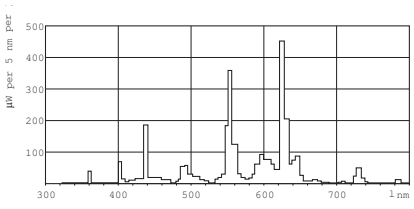
MASTER TL5 HE 35W/830 1SL

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HE 35W/830/GP	1449.0	1453.7	1456.1	1463.2	17

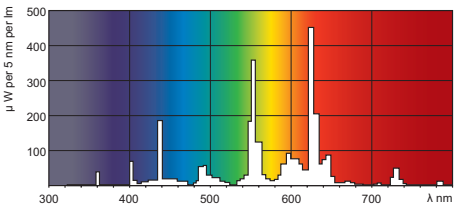


G5

Photometric data



Lightcolour /830



Lightcolour /830

2014, July 17
data subject to change

© 2014 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2014, July 17
data subject to change